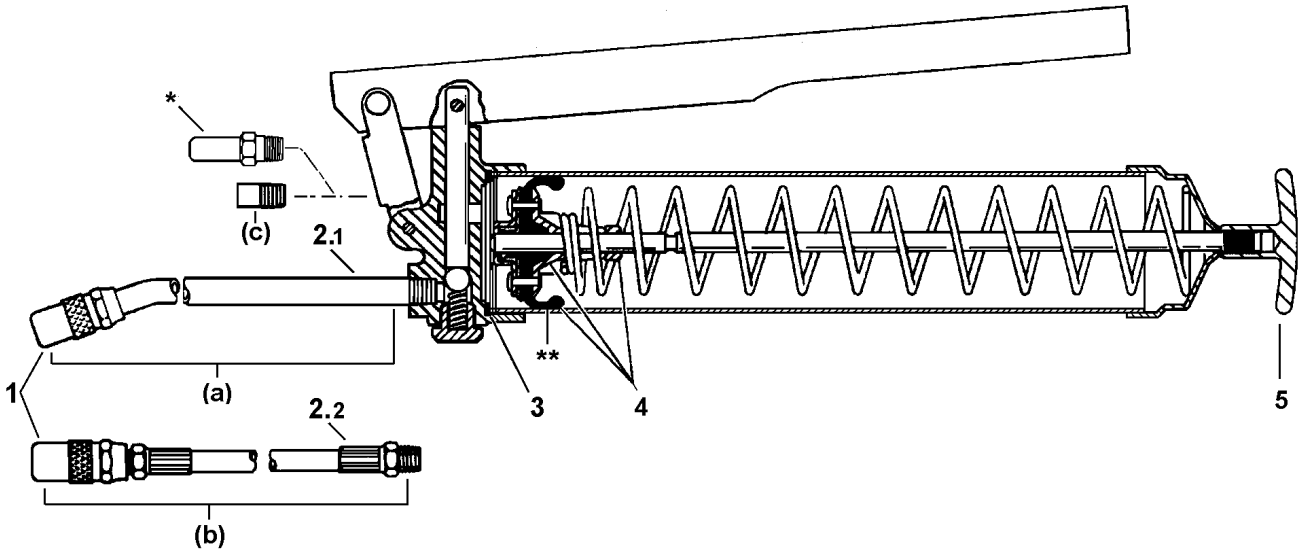
Model No. 1142, 1147 & 1151

Operating Instructions & Service Parts List



(a) Lube extension: Extension Tube with Hydraulic Coupler Part of Lever Guns No. 1142 & 1151

(b) Lube extension: H.P. Hose with Hydraulic Coupler Part of Lever Gun No. 1147

(c) Plug, 4-cornered, 1/8" NPT male
(*) Filler Nipple included in model 1151 only.

* No. 91108 Filler Nipple, ⅛" NPT male, stud ~ 8,7 mm$^{\varnothing}$ *optional*, fits to manual Lincoln Filler Pumps.
For use with manual Lincoln Filler Pump, replace Plug **(c)** by (*) Filler Nipple No. 91108.

** Follower set for use with standard cartridges.

SAFETY INSTRUCTIONS

WARNING

Extreme high pressure may cause nozzle extension or whip hose to burst.
Lever Gun can develop high pressure. Use only Lincoln approved hoses and follow whip hose instructions and warnings.
Keep hands clear of the extension during operation of the grease gun. Use safety glasses and gloves for protection during operation.

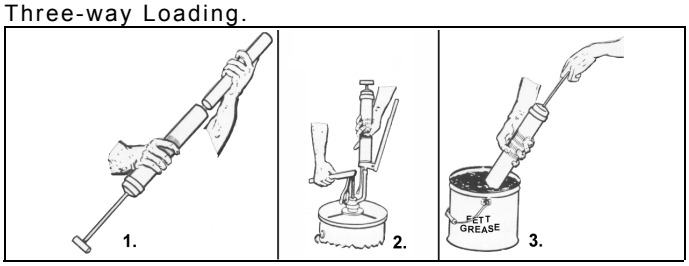
GENERAL DESCRIPTION

The Lever Gun models 1142, 1147 and 1151 are designed for manual lubrication with grease up to NLGI #2.

- Precision fit piston and bushing.
- Cast iron pump head and metal container.
- Heavy duty, jam proof toggle mechanism.
- Removable check valve with spring in gun head.
- Hydraulic Coupler with check valve.
  (Hydr. Coupler with 3 jaws, for cone type lubrication fittings).

Other lube extensions and nozzles on request

Three-way Loading.



w. 400 g cartridge *w. Filler Pump* *w. bulk grease*

The follower of Lincoln Lever Gun models 1142 and 1147 is normally set for use with 400 g standard cartridge and model 1151 is set for using bulk grease. *Important:* Prior to initial use or in case of changing the container loading method, visually check the follower lip if it is adequately set in the container or if still to be converted for the intended use.

TECHNICAL DATAS

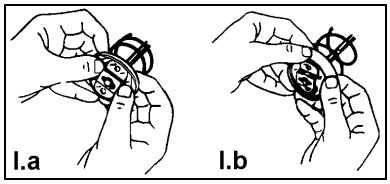
Lever Gun No.	001142	001147	001151
Lube extension (see figure):	(a) rigid	(b) flexible	(a) rigid
Container capacity:	~ 470 cm^3	~ 470 cm^3	~ 620 cm^3
Net weight:	1,80 kg	1,82 kg	1,94 kg
Container & Follower:	for bulk grease or 400g cartridge		
Container finish:	blue color		
Output:	~ 0,9 cm^3 per delivery stroke		
Delivery pressure:	up to ~ 483 bar		
Outlet of gun head:	⅛" NPT female thread		

SERVICE PARTS

Item	Part No.	Description
1	005852	Hydraulic Coupler, ⅛" NPT female
2.1	062028	Ext. tube, curved, ~150 mm lg., ⅛" NPT male
2.2	071518	H.P. Hose, ~450 mm lg., ⅛" NPT male
3	034793	Container Packing
4	093485	Follower Assembly
5	261514	Follower Handle

I. SETTING OF THE FOLLOWER

Unscrew container assembly from the gun head.
Visually check the setting of the follower lip.



for bulk grease *for cartridge*

The follower resembles a cup. When the lever gun is assembled for use with grease cartridge, the cup opens to the rear side toward the follower handle.

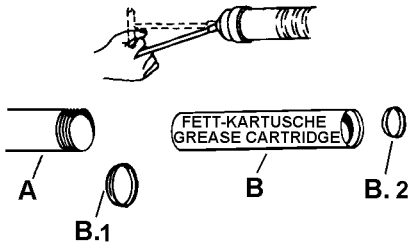
For using bulk grease, the follower lip must show to the front side towards the gun head.
If a conversion of the follower is required:

1. Unscrew the container cap
2. Pull on the follower handle to extract the follower and spring from the container tube.
3. Grasp and flip the follower lip to required position. See. **I.a** & **I.b**
4. Reassemble follower into container tube.
5. Tighten container cup onto the container tube.

Subject to change

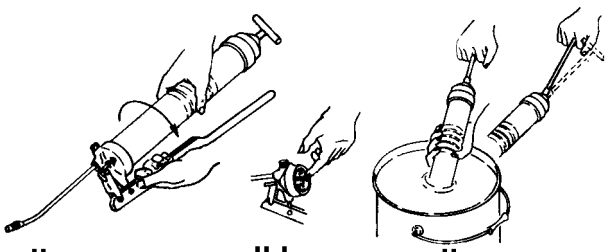
Model No. 1142, 1147 & 1151

INSTALLING THE GREASE CARTRIDGE



A	Container Tube	**B**	400 g Cartridge
B.1	Plastic Cap	**B.2**	Pull Tab

FILLING FROM BULK GREASE CONTAINER

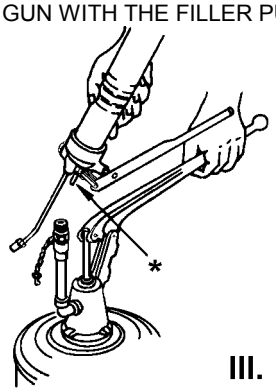


II.a Unscrew reservoir assy.

II.b Fill gun head with grease

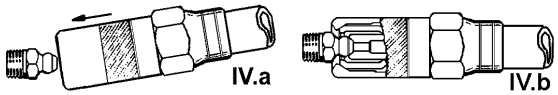
II.c Suck grease out of the pail

FILL GUN WITH THE FILLER PUMP



* Filler Nipple No. 91108

LUBRICATING



IV.a Couple Hydr. Coupler **IV.b** Align Hydr. Coupler

IV. OPERATING

Wear protective eyes glasses and gloves during operation.

To operate the lever gun, the container must be filled with grease.

Wipe hydraulic fittings clean prior to lubricating. Push hydraulic coupler on to the hydr. fitting at a slight angle (see figure IV.a) and then center coupler on nipple as illustrated (see figure IV.b) before operating the lever of the grease gun.

Hands away from the lube extension during lubricating. Do not point the lube extension on to persons. Tightly hold container tube whilst operating the lever of the grease gun.

CAUTION Extreme high pressure and overlubrication may cause damage to the bearing.

Remove hydraulic coupler in a slight angle from the hydr. fitting.

If lever gun is not dispensing grease (piston/lever moves easily), the gun has lost its prime due to empty container or air pockets in the grease.

Remove air pockets or fill grease gun container

INSTALLING THE GREASE CARTRIDGE

For cartridge loading, the follower seal lip in the container tube must be directed toward the rear, to the follower handle (see instructions in section I.).

1. Pull back on the follower handle until follower rod is fully extended and pull follower rod sideways to latch groove of the rod into keyhole slot of the container cap (see figure on the left).

2. Remove the plastic cap (B.1) from the grease cartridge (B) and insert cartridge into the container tube (A).

3. Remove the pull tab (B.2) from grease cartridge and screw grease tube assembly into the pump head assembly.

4. Release follower rod from slot of the tube cap.

5. Purge air from lever gun. (See air purging instructions below).

REMOVING EMPTY GREASE CARTRIDGE

1. Unscrew reservoir assembly from the gun head.

2. Pull back on the follower handle until the follower rod is fully extended and latch the follower rod groove into the slot on the tube cap.

3. Carefully release the follower handle to eject the empty cartridge from container tube.

II. FILLING FROM BULK GREASE CONTAINER

The follower seal lip in the container tube must be directed toward the front, to the lever gun head (see instructions in section I.).

1. Unscrew reservoir assembly from the gun head. (see figure II.a).

2. Manually fill cavity of the gun head with grease. (see figure II.b).

3. Insert open end of the lever gun container into lubricant (see figure II.c). Pull follower rod back slowly, pushing container deeper into the grease, to prevent air pockets being pulled into the container.

4. When follower rod is fully extended, pull follower rod sideways to latch groove of the rod into keyhole slot of the container cap (see figure II.c).

5. Assemble filled lever gun container to gun head loosely.

6. Release follower rod from container cap.

7. Purge air from lever gun. (See air purging instructions below).

III. TO FILL THE GUN WITH A LINCOLN FILLER PUMP

The lever gun must be equipped with (optional) Filler Nipple no. 91108.

The follower seal lip in the container tube must be directed toward the front, to the lever gun head (see instruction in section I.).

1. Withdraw the follower rod a little from the container tube and engage the follower rod with the follower by rotating the follower handle clockwise.

2. Insert the gun filler nipple into the filler pump socket. Extend the lever of the grease gun away from the container tube.

3. Operate the filler pump to fill the container of the gun. If the follower rod should not move whilst container filling, repeat step 1. When the follower rod groove is exposed, the container tube assembly is filled. The follower rod will be extended approximately 30 cm.

4. Purge air from lever gun. (See air purging instructions below).

AIR PURGING INSTRUCTIONS

NOTE Air pockets in the grease may cause malfunctions and will cause the lever gun to loose its prime and interrupt the discharge of grease. Carefully purge entrapped air out of the lever gun after filling.

1. Withdraw the follower rod a little from the container tube and engage the follower rod with the follower by rotating the follower handle clockwise.

2. Loosen the threaded connection of container tube and gun head by approximately 1½ turns.

3. Exert force on the follower handle (follower rod is engaged with follower) until lubricant oozes from the container tube and gun head interface.

4. Tighten container assembly into the gun head.

5. Disengage follower rod from the follower by rotating the follower handle. Push the follower rod into the container tube.